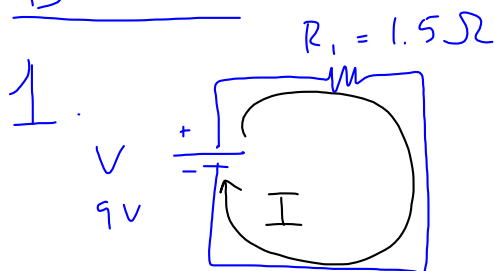
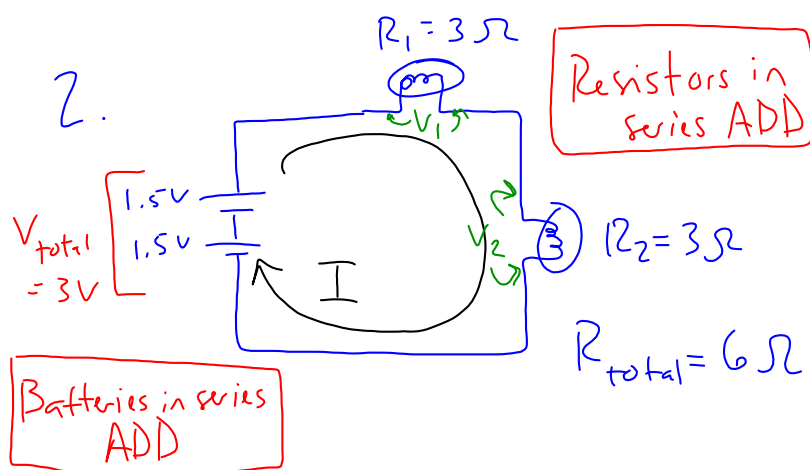


Draw!

$$V = IR_1$$

$$I = \frac{V}{R_1}$$

$$= \frac{9V}{1.5\Omega} = 6A$$



$$I = \frac{V_{total}}{R_{total}}$$

$$= \frac{3V}{6\Omega} = 0.5A$$

 $V_1:$

$$V_1 = IR_1$$

$$= (0.5A)(3\Omega)$$

$$= 1.5V$$

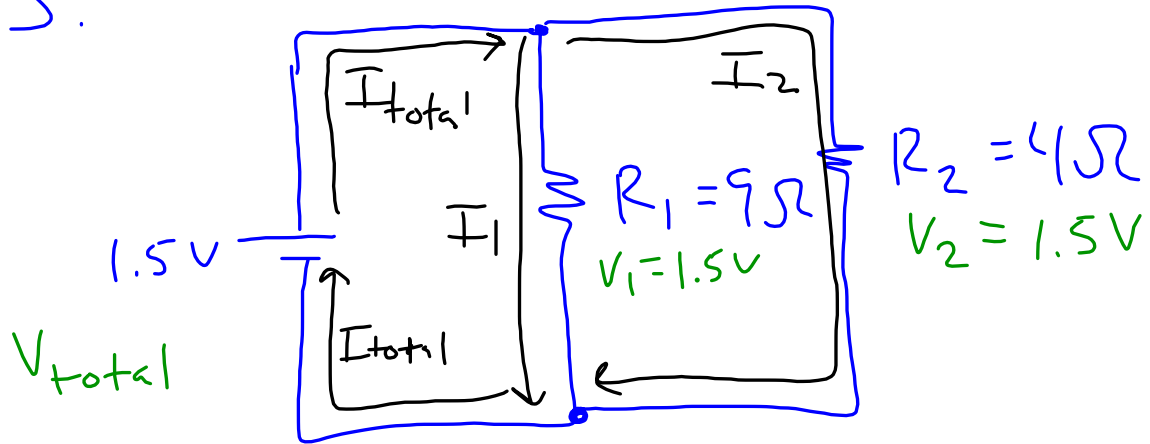
 $V_2:$

$$V_2 = IR_2$$

$$= (0.5A)(3\Omega)$$

$$= 1.5V$$

3.



$$V_1 = I_1 R_1$$

$$I_1 = \frac{V_1}{R_1}$$

$$= \frac{1.5V}{9\Omega}$$

$$= 0.17A$$

$$I_2 = \frac{V_2}{R_2}$$

$$= \frac{1.5V}{4\Omega}$$

$$= 0.38A$$

$$I_{total} = I_1 + I_2$$

$$= 0.17A + 0.38A$$

4.

V

